# PATENT COOPERATION TREATY PCT

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| Applicant's or agent's file reference S779 0016 |  | FOR FURTHER ACTION   |                | see Form PCT/ISA/220 as well as, where applicable, item 5 below     |  |  |  |  |
|---|--|--|----------------|---|--|--|--|--|
| ł   | national application No. CT/CA2004/002198  | International filing date (day/month/) 24 December 2004 (24-12-2004) |                | (Earliest)Priority date (day/month/year) 15 April 2004 (15-04-2004) |  |  |  |  |
|   | licant<br>E UNIVERSITY OF BRITI  | SH COLUMBIA ET AL  |                |   |  |  |  |  |
| This<br>Artic                                   | international search report has been le 18. A copy is being transmitted to   | prepared by this International Searching the International Bureau.   | Authority a    | nd is transmitted to the applicant according to                     |  |  |  |  |
| This  | international search report consists o   | f a total of 3 sheets.   |                |   |  |  |  |  |
|   | [X] It is also accompanied by a c  | opy of each prior art document cited in t                            | his report.    |   |  |  |  |  |
| 1.  | Basis of the report  |  |                |   |  |  |  |  |
| a.  | With regard to the <b>language</b> , the ir it was filed, unless otherwise indicates                                       |  | e basis of the | e international application in the language in which                |  |  |  |  |
|   | [ ] The international sea<br>Authority (Rule 23.)  |  | nslation of t  | he international application furnished to this                      |  |  |  |  |
| b.  | [ ] With regard to any nucleotide  | e and/or amino acid sequence disclosed                               | l in the inter | national application, see Box No. I.                                |  |  |  |  |
| 2.  | [ ] Certain claims were found t  | unsearchable (see Box No. II).                                       |                |   |  |  |  |  |
| 3.  | [ ] Unity of invention is lacking (see Box No. III).   |  |                |   |  |  |  |  |
| 4.  | With regard to the <b>title</b> ,  |  |                |   |  |  |  |  |
|   | [X] the text is approved as submitted by the applicant.  |  |                |   |  |  |  |  |
|   | [ ] the text has been established  | by this Authority to read as follows:                                |                |   |  |  |  |  |
| 5.  | With regard to the abstract,   |  |                |   |  |  |  |  |
|   | [X] the text is approved as submitted by the applicant.  |  |                |   |  |  |  |  |
|   | [ ] the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant |  |                |   |  |  |  |  |
|   | may, within one month from the date of mailing of this international search report, submit comments to this Authority.     |  |                |   |  |  |  |  |
| 6.  | With regard to the drawings,   |  |                |   |  |  |  |  |
|   | a. the figure of the <b>drawings</b> to be published with the abstract is Figure No. 1A                                    |  |                |   |  |  |  |  |
|   | [X] as suggested by the applicant.   |  |                |   |  |  |  |  |
|   | [ ] as selected by this authority, because the applicant failed to suggest a figure.                                       |  |                |   |  |  |  |  |
|   | [ ] as selected by this A  | uthority, because this figure better chara                           | cterizes the   | invention.  |  |  |  |  |
|   | b. [ ] none of the figures i   | s to be published with the abstract.                                 |                |   |  |  |  |  |

### INTERNATIONAL SEARCH REPORT

International application No. PCT/CA2004/002198

### A. CLASSIFICATION OF SUBJECT MATTER

IPC7 G06T 5/00

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G06T 5/00, G06F, G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Delphion & keywords: dynamic, range, enhancement, bit, depth, representation, conversion, saturation, region, threshold, adjustment, image, color and pixel.

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No(s).                  |
|-----------|--|---|
| Y         | US6038576 (DIGITAL EQUIPMENT CORPORATION) 14 March 2000 (14-03-2000)  column 6, lines 12 to 22 column 6, lines 56 to 67 column 7, lines 37 to 53 | 1, 14, 16, 19, 25, 27, 29, 31, 33 and 34. |
| Y         | US6292168 (XEROX CORPORATION) 18 September 2001 (18-09-2001) column 4, lines 42 to 54 column 5, lines 8 to 41 column 8, lines 28 to 54           | 1, 12, 13, 14, 16, 27, 33 and 34          |
| Α         | US6542260 (HEWLETT-PACKARD COMPANY) 1 April 2003 (01-04-2003) column 3, lines 41 to 55 column 5, lines 18 to 39                                  | 1, 12, 13, 21, 22, 33 and 34              |
| Y         | US6625324 (MUSTEK SYSTEM INC.) 23 September 2003 (23-09-2003) see whole document   | 1, 33 and 34                              |

| Further documents are listed in the continuation of Box C.   | [X] See patent family annex.   |
|--|--|
| * Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family |
| Date of the actual completion of the international search 04 April 2005 (04-04-2005)   | Date of mailing of the international search report  10 May 2005 (10-05-2005)   |
| Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476   | Authorized officer  Gilbert Jean (819) 934-5148  |

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/CA2004/002198

| Patent Document        | Publication | Patent Family | Publication |
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| Cited in Search Report | Date        | Member(s)     | Date        |
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